

Product datasheet for **SC126420**

SPINLW1 (EPPIN) (NM_020398) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SPINLW1 (EPPIN) (NM_020398) Human Untagged Clone
Tag: Tag Free
Symbol: SPINLW1
Synonyms: CT71; CT72; dJ461P17.2; SPINLW1; WAP7; WFDC7
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_020398 edited
CACCAGAAAGGCTGGCCTCTCTCAACATGGGATCTTCTGGACTTTTGAGCCTCCTGGTG
CTATTCGTCCTCTTAGCGAATGTCCAGGGACCTGGTCTGACTGATTGGTTATTTCCAGG
AGATGTCCCAAAATCAGAGAAGAATGTGAATTCCAAGAAAGGGATGTGTGTACAAAGGAC
AGACAATGCCAGGACAACAAGAAGTGTGTCTTCAGCTGCGGAAAAAATGTTTAGAT
CTCAAACAAGATGTATGCGAAATGCCAAAAGAACTGGCCCTGCCTGGCTTATTTTCTT
CATTGGTGGTATGACAAGAAAGATAATACTTGCTCCATGTTTGTCTATGGTGGCTGCCAG
GGAAACAATAACAACTTCCAATCCAAAGCCAAGTGCCTGAACACCTGCAAGAATAAACGC
TTTCCCTGATTGGATAAGGATGCACTGGAAGAAGTCCAGAAATGTGGCTCATGCTCTGAG
TACTGTTCTGTACCTGACTGATGCTCCAGACTGGCTTCCAGTTTCACTCTCAGCATTCC
AAGATCTTAGCCCTTCCAGAACAGAACGCTTGCATCTACCTCCTTCTCCATCTTTG
GCTCTTTTGATGCACAATATCCATCCGTTTTGATTTTCATCTTTATGTCCCTTTATCTCC
AACTTCTAGAAGTCCAGTTTATACCTGTGTCACTCTCAATTTTTTCCAGTAAAGTACTT
GATGTAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_020398 unedited NGGTCAAATTTGTATACGACTCATATAGGCGGCCGCGNATTCAGATCTGGTACCGTCC GGATCCCGGGATCCCAGAAGGCTGGCCTCTTCAACATGGGATCTTCTGGACTTTTGA GCCTCCTGGTGTATTTCGTCCTTAGCGAATGTCCAGGGACCTGGTCTGACTGATTGGT TATTTCCAGGAGATGTCCAAAATCAGAGAAGAATGTGAATCCAAGAAAGGGATGTGT GTACAAAAGGACAGACAATGCCAGGACAACAAGAAGTGTGTCTTCAGCTGCGGAAAAA AATGTTTAGATCTCAAACAAGATGTATGCGAAATGCCAAAAGAACTGGCCCTGCCTGG CTTATTTTCTTCATTGGTGGTATGACAAGAAAGATAATACTTGCTCCATGTTTGTCTATG GTGGCTGCCAGGAAACAATAACAACCTTCCAATCCAAAGCCAAGTGCCTGAACACCTGCA AGAATAAACGCTTTCCCTGATTGGATAAGGATGCACTGGAAGAACTGCCAGAATGTGGCT CATGCTCTGAGTACTGTTCTGTACCTGACTGATGCTCCAGACTGGCTTCCAGTTTCACT CTCAGCATTCCAAGATCTTAGCCCTTCCCAGAACAGAACGCTTGCATCTACCTCCTCTTC CTCATCTTTGGCTCTTTTGTATGCACAATATCCATCCGTTTTGATTTTCATCTTTATGTCC CCTTTATCTCAACTTCTAGAACTCCCAGTTTATACCTGTGCTCACTCTCAATTTTTTCAG TANAGTACTTGATGTNNNANAAAAANNNNANNNNAAAAAGGCGCCGCGGTTCATAGCTG TTCTNGACAGATCCCGGTGTGCATCCCTGTGACCCCTCCCCAGTGCCA
Restriction Sites:	NotI-NotI
ACCN:	NM_020398
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_020398.2 , NP_065131.1
RefSeq Size:	1961 bp
RefSeq ORF:	402 bp
Locus ID:	57119
UniProt ID:	O95925
Cytogenetics:	20q13.12
Protein Families:	Secreted Protein

Gene Summary:

This gene encodes an epididymal protease inhibitor, which contains both kunitz-type and WAP-type four-disulfide core (WFDC) protease inhibitor consensus sequences. Most WFDC genes are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. This gene is a member of the WFDC gene family and belongs to the telomeric cluster. The protein can inhibit human sperm motility and exhibits antimicrobial activity against *E. coli*, and polymorphisms in this gene are associated with male infertility. Read-through transcription also exists between this gene and the downstream WFDC6 (WAP four-disulfide core domain 6) gene. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2014]

Transcript Variant: This variant (1) encodes the longer isoform (1), which is also known as eppin-1 and eppin-3.